<u>RELEASE NOTES - OPUP BUILD 7.0</u>

Enhancements and Change Information for OPUP Build 7.0

This page contains the enhancement and change information occurring with OPUP Build 7.0 software. The remainder of the document contains minor problems along with workarounds, solutions, and explanations of functionality .

OPUP Software Build 7.0 provides the following enhancements:

- Adds an audible alarm to OPUP Alerts.

- Adds the Mesocyclone Detection Product.

- Adds Range Ring Tool on Map Editor - The circle drawing function allows the operator to specify a specific range (ring) diameter.

- Adds capability to Re-create Linear Buffer.

- VR Shear can be printed from pdgui.

- Makes backup and restore tools more robust.

- Adds new buttons to the Admintool to list and purge alerts.

- Text in pdgui shows "Spot Blanking" when enabled. It shows nothing with Spot Blanking disabled.

- Makes FTP product distribution more robust.

- Changes the OPUP "RPG Status" screen to display the RDA in orange when the alarm is RDA Maintenance Mandatory, or to display the RDA in yellow when the alarm is RDA Maintenance Required.

- Updates the OPUP virus scanning software.

- Updates the Solaris Operating System with the latest security patches.

- Enhances ability to monitor workstation status.

- Software startup and shutdown is markedly improved.

NOTE: Adaptation Data and Configuration Data from Build 5 and earlier are NOT compatible with Build 7.

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1   Dial Issues

1.1   Small OPUP Dial Access.

Problem: Currently, Small OPUPs are granted dial access to their associated RPGs, ONLY.

There are two AFWA dial-in ports available on each RPG. The first port has been converted to TCP/IP protocol to comply with the OPUP communications protocol. This port is maintained to support the dial access requirements of the OWS (Large) OPUPs. The second port, which will be shared by the Small OPUP fleet, is still X.25 protocol (legacy PUP protocol) and will not be converted until early CY2006 as part of the final AFWA OPUP deployment/implementation. Until this conversion occurs, the single TCP/IP port must be shared by the OWS (Large) OPUPs and the CWT (Small) OPUPs. Therefore, to reduce port access conflicts, each Small OPUP will only be granted access to their associated RPG to be used as a backup for their dedicated connection.

Solution: As part of the final AFWA Small OPUP deployment, the second AFWA dial port will be converted to TCP/IP. Target time period is early CY2006.

1.2   Assign RPGs to the AOR Sort List.

The OPUP provides three sort routines (Dedicated, AOR, and All Others) to more easily specify a source RPG.

Problem: The OPUP's AOR sort listing on the Product Display, Product Request, and Auto Dial GUIs may not contain all the desired RPGs.

Solution: The procedure provided at Attachment 1 outlines a process to specify those RPGs desired for listing in the AOR sort.

1.3   Dial Access Restrictions.

Problem: The current All Others (dial) RPG drop down dialog box contains a listing of all WSR-88D RPGs, including testbed assets and overseas sites, regardless of whether or not the individual OPUP has dial access.

Solution: In a future build, the sorting routines will be updated to limit the entries in the dial RPG listing to those RPGs the OPUP has been granted dial access.

2　Product Display GUI Anomalies

2.1　Link Cursor Readout

Problem: When the Link Cursor function is used the readout for the cursor locations from different display windows may not match, particularly if the display windows are of a different size.

Solution: Linked cursors will be in sync when windows are the same size.

2.2　Storm Relative Mean Radial Velocity Region (SRR) Display Anomaly.

Problem: The **Storm Relative Mean Radial Velocity Region (SRR)** display rendering program does not scale the SRR product correctly. This scaling problem is most evident with center point ranges that exceed 32nm. It is recommended that the SRR product only be used for close range (relative to the RDA) data interrogation.

Solution: Investigation into this latent problem is on-going with expected resolution in Build 8.

2.3　Auto Update of Products Doesn't Always Update.

Problem: A problem exists whereby the OPUP server event posting software and the workstation event registration software gets out of sync. When this occurs events posted by the server may not be "heard" by the workstation. When this occurs, the Auto Update feature does not "hear" the receipt of new products and does not automatically update the display. In Build 7, changes were made to help prevent this from occurring. However, under some circumstances this problem may still occur.

Solution: The procedure provided in Attachment 2 outlines a process to synchronize the OPUP sever and workstation event processing software. The permanent fix for this problem is scheduled for Build 8.

2.4　Max Value on Snow Product Incorrect

Problem: Max value on Info tab and legend on user selectable snow products (USD & USW) is incorrect.

Workaround: The operator needs to use the "Alpha" tab instead of the "Info" tab to view the correct max value.

3   Background Maps

3.1   Map Editing Problem.

Problem: When an operator selects "Both Maps" to be edited, the "Low Detail" maps show up in the "Map Editor Work Area."

Solution: Even though the "Low Detail" maps show up in the work area, "Both Maps" are really edited. This issue will be corrected in Build 8.

3.2   Custom Maps Not Displayable as a Reference Map During Editing.

Problem: When in the edit map mode, the custom maps should be a choice for reference maps. This is not the case. The name of the map is present, but the custom maps are not available for display.

Solution: Use other maps as reference until this is corrected in Build 8.

3.3   Limited Fine Mesh (LFM) Background Map Removed from Map Set.

Problem: The LFM Grid has been removed from the OPUP Map set, however the LFM selection still appears on the Product Display GUI and the Status and Control Adaptation Data Map Tab.

Solution: Reference to the LFM Grid Map will be removed in Build 8.

3.4   Saving Edited Maps May Cause OPUP AT GUI to Lockup

Problem: It was found that, sometimes, when editing maps, the AT GUI would lockup upon attempting to cancel after saving the edits. This occurs because there are actually no edits to save or cancel and the buttons are sensitized.

Solution: A restart of the AT GUI will be necessary. This will be addressed in Build 8.

3.5 No Background Maps Associated with the New MD Product

Problem: In Build 7.0, OPUP added the capability of displaying the new Mesocyclone Detection (MD) product. However, there are no background maps associated with the MD product.

Solution: To associate the same maps with the MD product that are currently associated with the MESO product, perform the following:

1. At the Status and Control GUI, select **Adaptation** from the menu bar. The Adaptation GUI displays.

2. On the Adaptation GUI, select the **Maps** tab.

3. Select the **Lock** icon in the upper right and login at "level 2". The **Lock** icon turns yellow.

4. Highlight the "Mesocyclone (Meso)" product and select the left pointing (←) blue arrow.

5. Highlight the "Mesocyclone Detection (MD)" product and select the right pointing (→) blue arrow. [Note: Additional maps may be selected, if desired, by holding down the **<Ctrl>** button and clicking the map name.]

6. Select the **Save** button [the floppy icon] on the right side of the window to save this change.

7. Close the Adaptation GUI by selecting the double red arrow (→→) in the lower right hand corner.

4 EPSS Discrepancies

4.1 Reference to obsolete "Change Password" Option

Problem: References to the obsolete "Change Password" option remain in the OPUP EPSS. OPUP EPSS reference graphics associated with OPUP Control procedures still show "Change Password" as a valid option. Additionally, the OPUP EPSS index contains a link to the Change Password procedure. The "Change Password" option was removed from the software in build 7.0.

Solution: All references to the "Change Password" option in the EPSS will be removed in Build 8.

5 Burning Files to a CD

5.1 Archives Saved by Users Other Than Opupmgr

Problem: When an archive (savelog or product) is created by a user other than opupmgr, the permissions on the archive file(s) do not allow it to be written to CD.

Solution: Log in as opupmgr and change permissions on the archive file(s) via the command line to allow them to be written to CD.

On the command line,
enter:

chown -R opupmgr:pup /opupdata/archives/ <Enter>

chmod -R 755 /opupdata/archives/ <Enter>

Write the files to CD in accordance with AF TO 31P1-4-108-459-2, Navy EM400-A4-MMO-010, paragraph 5.2.8.3, Create Products Archive.

NOTE: Adaptation Data and Configuration Data from Build 5 and earlier are NOT compatible with Build 7.

Attachment 1

Procedure to Add (or Delete) RPGs to AOR Sort

1. Log in as opupmgr.

2. Launch the OPUP Manager Main Menu.

3. Click the **OPUP Software Menu** button.

4. Select the **Edit OPUP Adaptation Data** button. The `Edit RPG Information from List …` menu is displayed.

5. Select the desired RPG from the scrollable listing, then click the **Edit** button. The specific dial information for the selected RPG is displayed in an editable window.

6. To <u>Add</u> RPGs: Copy the value from the `PUP pup_id` field and paste in the `PUP aor` field, replacing any existing values in this field.

   To <u>Delete</u> RPGs: Delete all entries in the `PUP aor` field of the RPG selected for deletion.

7. Click the **Save** button. The screen is refreshed back to the `Edit RPG Information from List …` menu.

8. If additional RPGs need to be assigned as AOR RPGs, select the **Edit More** button and repeat steps 5 through 8.

9. Once all edits are made, select the **Configure Now** button. The `Configure OPUP` window displays.

10. Select **Configure OPUP** and **Yes**. This process will take approximately 1 minute.

11. When the `OPUP Manager Configure OPUP` window displays, select **Restart OPUP** and **Yes**. The `OPUP Host, Network, and Software Status` window displays. Wait until all servers and workstations show `Started` in the `Software Status` Column.

12. Select the **Return to Main Menu** button. The OPUP is now in an operational state.

Attachment 2

Procedure to Reinitialize the Auto Update Function

1. As opupmgr, on server:

   - Open Admintool.

   - Click the **OPUP Workstation Menu** button.

   - Click the **View Workstations** button.

   - Check the `Restart Software` box for the workstation causing the problem.

   - Click the **Restart Software** button to restart the problem workstation.

   - Wait a few minutes for the workstation to restart.